

Crystal Ball questions on Combustion

All of the following questions have not (as yet!) appeared in the NCEA Level 1 Exams

QUESTION: Write balanced equations for the complete and incomplete complete combustion of the following molecules

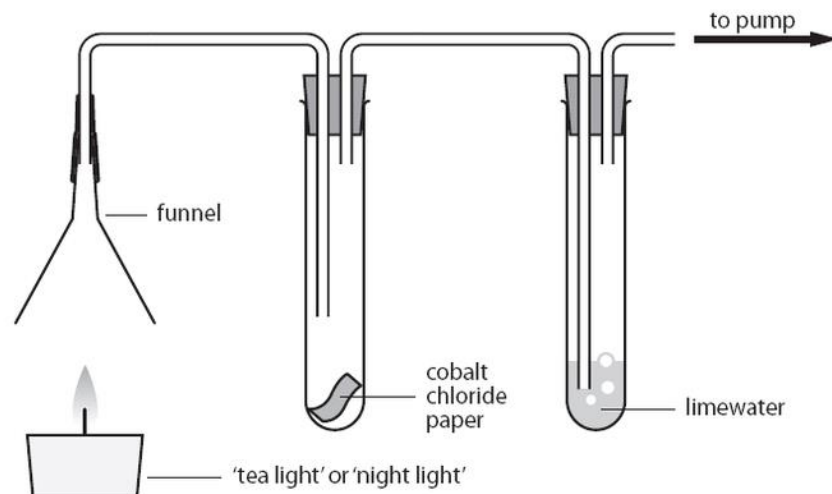
organic molecule	equation for complete combustion	equation for <u>in</u> complete combustion
octane		
propene		
ethane		
heptane		
ethene		
hexane		

Additional questions on combustion

1) Discuss complete and incomplete combustion in detail, include word equations, observations, products and energy output.

2) "Camping gas (butane) can be deadly". Discuss precautions that must be taken when burning butane and give reasons why

3)



Discuss the apparatus above in detail include equations, observations and products formed. It is important to note the there is a plentiful supply of oxygen gas.

4) Methylated spirits is 99% ethanol, compare and contrast the combustion of methylated spirits with an alkane that has 2 carbon atoms.